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HARVARD UNIVERSITY

BULLETIN

OF THE

American Geographical Society

PUBLISHED FIVE TIMES A YEAR

VOL. XXXIII. No. 3, 1901



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PRINTED FOR THE SOCIETY

NO. 11 WEST 29TH STREET
NEW YORK

Single Numbers, \$1.00

\$4.00 a Year

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HARVARD UNIVERSITY HERBARIUM.

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THE FLORA OF ST. CHRISTOPHER.

BY

WILLIAM H. ALEXANDER.

Any attempt to describe or convey a true conception of tropical flora must be more or less unsatisfactory. Here the botanist meets with such a profusion of natural beauty, and in such endless variety, that he feels bewildered; then puzzled at the odd and fantastic freaks of nature, but at last lost in admiration for this wonderful exhibition. Although death and decomposition continually occur, yet all seems to be life, so quietly and quickly does nature repair the losses. There is, apparently, no cessation in the operation of the forces concerned in plant life. While some trees bear fruit but once a year, yet many others are ever-bearing; one may see on one tree the flower and the fruit in all stages of development, from the youngest to the ripe fruit.

This article, however, is concerned only with the Flora of St. Christopher (St. Kitts), one of the Leeward Islands of the West Indies. Although the various islands of the West Indies differ among themselves as to flora, as well as in many other respects, yet a careful study of the flora of one is a most valuable preparation for the study of the others.

Relative to the fruit trees of St. Christopher, it may be said that they abound; and the best of all is that they grow wild or spontaneously on the mountains, by the highway, along the water-courses, or in the gardens, if permitted to do so. No cultivation is required except in the case of the pine. The true value of this fact will be fully appreciated by those who know the wretched poverty of the black labourers of the island. Perhaps the bread fruit (*Artocarpus incisa*) is the most valuable of all to the natives of the island, as it literally supplies them with food—"meat and bread." The fruit resembles that of the Bois d'Arc or Osage orange, and is prepared for eating simply by boiling in salt water or by baking. For days and days many of the poorest never taste a mouthful of other food. The mango (*Mangifera indica*), with its deep foliage and beautiful fruit, is valued both for its ornamental effect and its fruit. The mango and the Avocado pear are highly esteemed as fruits. The banana and the cocoanut are also valuable fruits; there is no effort, however, to raise more than enough to supply

the local demand, as is also true of most of the fruits. The growth and cultivation of the sugar-cane constitute the one and only industry of value, commercially speaking. The cassava is valued as a bread and for the starch it supplies. In fact, the island gets its starch from the cassava and the arrowroot extracted in the most primitive fashion.

Among ornamental trees and plants the cabbage palm (*Oreodoxa oleracea*), lifting its feather-like crown to majestic heights, easily wins first place in the admiration of all beholders. The heart of this tree—that is, the bud or young unfolded leaves—is very highly prized as a dish, tasting very much like the ordinary cabbage. But, owing to the great waste for such a small gain, there is a sentiment against cutting the tree. The cocoanut tree is also quite generally used as an ornamental tree, particularly along the highways and as a line of demarkation between the estates, so that they often present a striking and picturesque appearance. In fact, the palm avenues of St. Kitts are much admired by visitors. Another very interesting palm is that known as the traveller's palm. The leaves of this branch out fan-like, and from their base, when pierced, a quantity of water flows; from which fact the tree gets its name.

Much more might be said about the fruit and ornamental trees of this island. Then, too, there are the marvellous ferns, about which many things might be said; but, after all is said, a true conception of the bewildering and exquisite beauty of a St. Kitts fernery is impossible.

It ought to be said that the following list is not offered as absolutely complete, but it is confidently believed to contain all the important plants. The greatest number of omissions is believed to be in the timber of the mountains, as it was not practicable to get a complete list of specimens for classification.

Then, again, as botanists do not all agree, there may arise in the minds of some a doubt as to the correctness of certain classifications, but it is claimed that that given below rests on good authority. Of course, mistakes are not only possible but very probable in work of this kind.

The vernacular names given in the list are such as one actually hears in the island, and may often differ from those in use in other of the British West Indies, or in botanical or other books.

The uses specified are the ones to which the plants are applied in St. Christopher, although they may be applied to other and more important uses in other places. In the case of the medicinal plants, only those that are recognized in some pharmacopœia or in commerce

are included in this list, as it would otherwise assume very large proportions. The people attach importance to a great number of plants for their medicinal properties.

The writer wishes to acknowledge, with due appreciation, the kind, generous, and invaluable services of Dr. W. J. Branch, of this island, in the preparation of this article. Dr. Branch has lived long on the island, and has not failed to use his eyes and learning in all matters pertaining to St. Kitts.

The numbers prefixed to certain of the plants refer to the notes at the end of the list.

LIST OF THE PRINCIPAL ECONOMIC PLANTS, INDIGENOUS OR INTRODUCED, THAT ARE NOW, JANUARY, 1901, IN ST. CHRISTOPHER, WEST INDIES.

CLASS I.—DICOTYLEDONS.

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
<i>Anonaceæ</i> —	<i>Anona muricata</i>	Sour Sop	Fruit
	<i>Anona squamosa</i>	Sugar Apple	Fruit
	<i>Anona reticulata</i>	Custard Apple	Fruit
	<i>Anona cherimolia</i>	Cherimoyer	Fruit
<i>Menispermaceæ</i>	<i>Cissampelos Pareira</i>	Velvet Leaf	Medicine
<i>Nymphæaceæ</i> —	<i>Nymphæa alba</i>	Water Lily	Flower
<i>Crucifereæ</i> —	<i>Nasturtium officinale</i>	Water Cress	Food
	<i>Cochlearia armoracia</i>	Horse Radish	Food
	<i>Brassica oleracea</i>	Cabbage	Food
	<i>Brassica rapa</i>	Turnip	Food
	<i>Sinapis nigra</i>	Mustard	Food
	<i>Sinapis alba</i>	Mustard	Food
	<i>Raphanus sativus</i>	Radish	Food
(1)	<i>Cleome pentaphylla</i>	Missambi	Food
	<i>Moringa pterygosperma</i>	Horse Radish Tree	Food
<i>Violaceæ</i> —	<i>Viola odorata</i>	Violet	Flower
	<i>Viola tricolor</i>	Pansy	Flower
<i>Canellaceæ</i> —	<i>Canella alba</i>	Canella	Medicine
<i>Bixineæ</i> —	<i>Bixa Orellana</i>	Roucou	Food and Dye
	<i>Flacourtia Ramontchi</i>	Governor Plum	Fruit
<i>Caryophylleæ</i> —	<i>Dianthus Caryophyllus</i>	Carnation (2)	Flower
<i>Guttifereæ</i> —	<i>Mammea americana</i>	Mammy Apple	Fruit
<i>Malvaceæ</i> —	<i>Hibiscus phoeniceus</i>	Dwarf Hibiscus	Flower
	<i>Hibiscus mutabilis</i>	Changeable Hibiscus	Flower
	<i>Hibiscus mutabilis</i> var. <i>flore pleno</i>	Double Changeable Hibiscus	Flower
	<i>Hibiscus schizopetalus</i>	Tassel Hibiscus	Flower
(3)	<i>Hibiscus Rosa-Sinensis</i>	Large Red Hibiscus	Flower
	<i>Hibiscus Sabdariffa</i>	Sorrel	Food
	<i>Althæa rosea</i>	Hollyhock	Flower
	<i>Abelmoschus esculentus</i>	Ochroe	Food
	<i>Abelmoschus moschatus</i>	Musk Ochroe	Perfume
	<i>Gossypium herbaceum</i>	Cotton	Fibre
<i>Bombacineæ</i> —	<i>Eriodendron anfractuosum</i>	Silk Cotton	Ornamental Tree
	<i>Carolinea princeps</i>	Carolinea	Ornamental Tree

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
<i>Sterculiaceæ</i> —	Theobroma Cacao	Chocolate	Food
	Cola acuminata	Cola	Food
<i>Tiliaceæ</i> —	Sloanea jamaicensis	Break Axe	Timber
	Triumfetta rhomboidea	Mahat (Mahae)	Fibre
<i>Rhamnææ</i> —	Colubrina ferruginosa	Iron Wood	Timber
	Colubrina reclinata	Mawbee	Food
	Zizyphus Jujuba	Dunk	Fruit
<i>Erythroxyleæ</i> —	Erythroxylon coca	Erythroxylon	Medicine
<i>Oxalideæ</i> —	Oxalis acetosella	Wood Sorrel	Flower
<i>Malpighiaceæ</i> —	Malpighia puniceifolia	Cerise	Fruit
	Galphimia glauca	Galphimia	Flower
<i>Zygophylleæ</i> —	Guaiacum officinale	Lignum Vitæ	Medicine & Timber
<i>Geraniaceæ</i>	Geranium sanguineum	Scarlet Geranium	Flower
	Pelargonium graveolens	Otto of Rose Geranium	Perfume
<i>Balsamineæ</i> —	Impatiens noli-me-		
	-tangere	Balsam	Flower
	Impatiens sultani	Sultana Balsam	Flower
<i>Tropeoleæ</i> —	Tropæolum majus	Nasturtium	Flower
<i>Rutaceæ</i> —	Quassia amara	Quassia	Medicine & Flower
	Picræna excelsa	Bitter Ash (Simaruba)	Medicine
	Xanthoxylum clava		
	Herculis	Yellow Harklis	Timber
<i>Aurantiaceæ</i> —	Murraya exotica	Citronella	Flower
	Triphasia trifoliata	Myrtle Lime	Fruit
	Citrus Limonum	Lemon	Fruit
	Citrus bigaradia	Bitter Orange	Fruit
	Citrus decumana	Shaddock	Fruit
	Citrus Pompelmous		
	decumanus	Pumple Nose	Fruit
	Citrus Pompelmous		
	racemosus	Grape Fruit	Fruit
	Citrus nobilis var. minor	Tangierine	Fruit
	Citrus aurantium	Sweet Orange	Fruit
(4)	Citrus aurantium var.		
	spinosissima	Lime	
<i>Burseraceæ</i> —	Bursera gummifera	Budge Gum	Gum & Timber
<i>Meliaceæ</i> —	Melia sempervirens	Lelock	Flower & Timber
	Swietenia mahagoni	Mahogany	Timber
	Cedrela odorata	West Indian Cedar	Timber
<i>Ampelideæ</i> —	Vitis vinifera	Grape	Fruit
<i>Sapindaceæ</i> —	Melicocca bijuga	Chenip	Fruit
	Blighia sapida	Akee	Food
<i>Terebinthaceæ</i> —	Anacardium occidentale	Cherry (Cashew) (5)	Fruit
(6)	Mangifera indica	Mango	Fruit
	Spondias dulcis	Golden Apple	Fruit
	Spondias purpurea	St. Kitts' Plum	Fruit
	Spondias mangifera	Chili Plum	Fruit
	Spondias lutea	Hog Plum	Fruit
<i>Leguminosæ</i> —	Indigofera anil	Indigo	Dye
	Indigofera tinctoria	Indigo	Dye
	Sesbania ægyptiaca	Sesbania	Flower & Fibre
	Agati grandiflora	Æschynomene	Flower
	Agati grandiflora var.		
	alba	White Æschynomene	Flower
	Abrus precatorius	Crab-eye	Medicine & Ornamental Seed
	Cajanus indicus	Pigeon Pea	Food
	Arachis hypogæa	Pinders	Food

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
	Clitoria ternatea	Blue-bell	Food
	Clitoria ternatea var. flore pleno	Double Blue-bell	Food
	Mucuna pruriens	Cow Itch	Medicine
	Dolichos unguiculatus	Increase Pea	Food
	Dolichos sphærospermus	Black-eye Pea	Food
	Lablab vulgaris	Bonny Vis	Food
	Lablab leucosperma	Moonshine	Food
	Phaseolus perennis	Lima Bean	Food
	Phaseolus vulgaris	Common Bean	Food
	Canavalia gladiata	Canavalla Bean	Food
	Faba vulgaris	French Bean	Food
	Pisum sativum	Green Pea	Food
	Erythrina		
	corallodendrum	Coral Plant	Flower
	Lonchocarpus violaceus	Spanish Ash	Timber
	Andira inermis	Wild Olive	Flower & Timber
	Myrospermum frutescens	Myrospermum	Fruit
	Hæmatoxylon campechianum	Log Wood	Medicine, Dye, Flower & Timber
	Parkinsonia aculeata	Jerusalem Thorn	Flower
	Guilandina bonduc	Nicker	Ornamental Seed
	Guilandina bonducella	Nicker	Ornamental Seed
	Guilandina glabra	Nicker	Ornamental Seed
	Cæsalpinea regia	Flamboyant	Flower
	Cæsalpinea pulcherrima	Barbados Pride	Flower
	Libidibia coriaria	Divi Divi	Tannen
	Cassia fistula	Cassia Fistula	Medicine & Flower
	Cassia obovata	Bly Dog (Senna)	Medicine
	Cassia alata	Roman Candle	Flower
	Tamarindus indicus	Tamarind	Fruit
	Hymenæa courbaril	Locust	Flower
	Bauhinia variegata	Napoleon's Cocked Hat	Flower
	Adenantha pavonina	Circassian Seed	Ornamental Seed
	Desmanthus virgatus	Mimosa	Ornamental Seed
	Mimosa pudica	Shame Bush	Sensitive Leaf
	Acacia Lebbeck	Ladies' Tongue	Timber
	Calliandra Saman	Saman	Ornamental Tree
	Inga laurina	Soldier-Wood	Timber
Chrysobalanæa—	Chrysobalanus Icaco	Fat Pork	Fruit
Rosaceæ—	Rosa rubiginosa	Sweet Briar	Flower
	Rosa lævigata	White Rose	Flower
	Rosa damascena	Damask Rose	Flower
(7)	Rosa semper florens	Ever-bearing Rose	Flower
	Rubus alpinus	St. Kitt's Strawberry	Fruit
Saxifrageæ—	Hydrangea hortensis	Hydrangea	Flower
	Bryophyllum calycinum	Wonder of the World	Flower
	Vereia crenata	Verea	Flower
Rhizophoreæ—	Rhizophora Mangle	Hydrangea	Flower
Combretaceæ—	Quisqualis indica	Quisqualis	Flower
	Terminalia Catappa	West Indian Almond	Fruit
	Combretum laxum	Combretum	Fruit
	Bucida capitata	Yellow Saunders	Timber
Myrtaceæ—	Myrtus communis	Myrtle	Ornamental Plant
	Psidium guayava	Guava	Fruit
	Psidium montanum	Guava	Fruit
	Psidium pyrifera	Spice Guava	Fruit

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
	Psidium cattleianum	Chinese Guava	Fruit
	Psidium acaule	Guava Berry	Fruit
	Caryophyllus aromaticus	Clove	Food
	Jambosa vulgaris	Pome Rose	Fruit
	Jambosa malaccensis	Malacca Apple	Fruit
(8)	Eugenia acris	Bay Leaf	Perfume
	Eugenia barbadensis	Clove Cherry	Fruit
	Syzygium Jambolanum	Java Plum	Fruit
	Eucalyptus globulus	Blue Gum Tree	Medicine
	Eucalyptus obliqua	Gum Tree	Medicine
(9)	Eucalyptus rostrata	Red Gum Tree	Medicine
	Coroupita surinamensis	Canon Ball Tree	Flower & Timber
	Punica granatum	Pomegranate	Fruit
	Punica granatum var. alba	White Pomegranate	Fruit
<i>Lythrariceæ</i> —	Lawsonia inermis	Mignonette (Henna)	Flower
	Lawsonia alba	Mignonette	Flower
	Lagerstroemia indica	King of Flowers	Flower
	Lagerstroemia flos reginæ	Queen of Flowers	Flower
<i>Passifloreæ</i> —	Passiflora laurifolia	Belle Apple	Fruit
	Passiflora maliformis	Conch Apple	Fruit
	Passiflora foetida	Love in a Mist	Fruit
	Passiflora quadrangularis	Granadilla	Fruit
	Tacsonia sanguinea	Scarlet Passion Flower	Flower
<i>Cucurbitaceæ</i> —	Carica Papaya	Poppoi (Pawpaw)	Fruit
	Cucumis melo	Musk Melon	Fruit
	Cucumis sativus	Cucumber	Food
	Cucumis anguria	Gherkin	Food
	Lagenaria vulgaris	Bottle Gourd	Making cups
	Cucurbita maxima	Pumpkin	Food
	Cucurbita pepo	Squash	Food
	Sechium edule	Choko	Food
	Luffa acutangula	Punch Strainer	Making strainers
	Luffa ægyptiaca	Luffa	As a sponge
<i>Begoniaceæ</i> —	Citrullus vulgaris	Water Melon	Fruit
	Begonia gigas	Begonia	Flower
	Begonia nitida	Begonia	Flower
	Begonia hydrocotylifolia	Begonia	Flower
	Begonia Ingrami	Begonia	Flower
	Begonia fragrans	Begonia	Flower
(10)	Begonia hirsuta	Begonia	Flower
<i>Cactaceæ</i> —	Melocactus communis	Turk's Head	Ornamental Plant
	Opuntia ficus indica	Prickly Pear	Dye & Food
	Opuntia Tuna	Prickly Pear	Dye & Food
	Opuntia coccinellifera	Sweet Prickle	Food for Cochineal Insects
	Epiphyllum truncatum	Epiphyllum	Flower
	Pereskia aculeata	Barbados Gooseberry	Fruit
	Cereus triangularis	Green Snake	Fruit
	Cereus flagelliformis	Small Green Snake	Fruit
	Cereus grandiflorus	Large Cereas	Fruit
<i>Umbellifereæ</i> —	Foeniculum vulgare	Fennel	Food
	Anethum graveolens	Dill	Medicine
	Petroselinum sativum	Parsley	Food
	Apium graveolens	Celery	Food
	Daucus Carota	Carrot	Food
<i>Araliaceæ</i> —	Aralia Guilfoylei	Aralia	Ornament

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
<i>Caprifoliaceæ</i> —	<i>Panax filicifolium</i>	Angelica (Seng)	Ornament
	<i>Panax victoriæ</i>	Angelica (Seng)	Ornament
	<i>Hedera Helix</i>	English Ivy	Ornament
	<i>Lonicera flava</i>	Honeysuckle	Flower
<i>Rubiaceæ</i> —	<i>Sambucus nigra</i>	Elder	Flower
	<i>Rondeletia speciosa</i>	Rondeletia	Flower
	<i>Mussaenda flaveola</i>	Mussaenda	Flower
	<i>Ixora coccinea</i>	Red Ixora	Flower
<i>Compositæ</i> —	<i>Gardenia floribunda</i>	Cape Jessamine	Flower
	<i>Gardenia floribunda</i> var. flore pleno	Double Cape Jessamine	Flower
	<i>Coffea arabica</i>	Coffee	Food
	<i>Coffea liberica</i>	Liberian Coffee	Food
	<i>Coffea stenophylla</i>	Blue Mt. Coffee	Food
	<i>Zinnia elegans</i>	Zinnia	Flower
	<i>Bidens Coreopsisidis</i>	Coreopsis	Flower
	<i>Chrysanthemum sinense</i>	Chrysanthemum	Flower
	<i>Lactuca sativa</i>	Lettuce	Flower
	<i>Aster chinensis</i>	Michaelmas Daisy	Flower
<i>Ericaceæ</i> —	<i>Solidago virgaurea</i>	Golden Rod	Flower
	<i>Dahlia variabilis</i>	Dahlia	Flower
	<i>Guillardia bicolor</i>	Guillardia	Flower
	<i>Helianthus annuus</i>	Sunflower	Flower
	<i>Calendula officinalis</i>	Marigold	Flower
	<i>Tagetes patula</i>	French Marigold	Flower
	<i>Tanacetum vulgare</i>	Tansy	Medicine
	<i>Artemisia Absinthium</i>	Wormwood	Flower
	<i>Pernettya mucronata</i>	Pernettya	Ornamental Plant
	<i>Plumbago capensis</i>	Plumbago	Flower
<i>Plumbaginææ</i> —	<i>Plumbago rosea</i>	Red Plumbago	Flower
<i>Myrsinææ</i> —	<i>Ardisia coriacea</i>	Ardisia	Ornamental Plant and Flower
<i>Sapotaceæ</i> —	<i>Chrysophyllum Cainito</i>	Star Apple	Fruit
	<i>Sapota Achras</i>	Sapodilla	Fruit
<i>Jasminææ</i> —	<i>Bumelia retusa</i>	Ballata	Fruit
	<i>Jasminum officinale</i>	Jessamine	Fruit
<i>Oleaceæ</i> —	<i>Olea europæa</i>	Olive	Fruit
<i>Apocynaceæ</i> —	<i>Tabernæmontana</i> jasminoides	Tabernemontana	Flower
	<i>Tabernæmontana cristata</i>	Ladies Smock	Flower
	<i>Dipladenia Harrisii</i>	Dipladenia	Flower
	<i>Vinca rosea</i>	Pink Periwinkle	Flower
	<i>Vinca rosea</i> var. alba	White Periwinkle	Flower
	<i>Vinca rosea</i> var. ocellata	Red Eyed Periwinkle	Flower
	<i>Nerium Oleander</i>	South Sea Rose	Flower
	<i>Nerium odorum</i>	Blush Oleander	Flower
	<i>Nerium odorum</i> var. alba	White Oleander	Flower
	<i>Alstonia venenosa</i>	Alstonia	Flower
(11)	<i>Allamanda cathartica</i>	Allamanda	Flower
	<i>Allamanda Hendersoni</i>	Big Allamanda	Flower
	<i>Cryptostegia grandiflora</i>	West Indian Rubber	Flower
	<i>Roupellia grata</i>	Cream Fruit	Flower
	<i>Plumeria rubra</i>	Red Franchipah	Flower
	<i>Plumeria alba</i>	White Franchipah	Flower
	<i>Stephanotis floribunda</i>	Stephanotis	Flower
	<i>Hoya carnosa</i>	Wax Plant	Flower
	<i>Phlox Drummondii</i>	Phlox	Flower
	<i>Pharbitis Learii</i>	Purple Convolvulus	Flower
<i>Asclepiadææ</i> —			
<i>Polemoniaceæ</i> —			
<i>Convolvulaceæ</i> —			

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
<i>Boragineæ</i> —	<i>Ipomœa Quamoclit</i>	Creeping Pink	Flower
	<i>Ipomœa Quamoclit</i> var. <i>alba</i>	White Creeping Pink	Flower
	<i>Ipomœa bona-nox</i>	Moon Flower	Flower
	<i>Ipomœa Horsfalliae</i>	Horsfallia	Flower
	<i>Ipomœa Nil</i>	Morning Glory	Flower
	(12) <i>Ipomœa batatas</i>	Sweet Potato	Food
	<i>Ipomœa dissecta</i>	Noyau Vine	Perfume in liqueur
	<i>Myosotis arvensis</i>	Forget-me-not	Flower
	<i>Heliotropium europæum</i>	Heliotrope	Flower
	<i>Cordia Sebestena</i>	The Red Cordia Tree	Flower
	<i>Cordia Sebestena</i> var. <i>lutea</i>	Yellow Cordia Tree	Flower
	<i>Cordia Sebestena</i> var. <i>fulvo-aurea</i>	Orange Cordia Tree	Flower
<i>Solanaceæ</i> —	<i>Cordia nitida</i>	White Clammy Cherry	Flower
	<i>Cordia Collococca</i>	Clammy Cherry	Food for Poultry
	<i>Nicotiana Tabacum</i>	Tobacco	Tobacco
	<i>Datura Stramonium</i>	Night Shade	Medicine
	<i>Datura Tatula</i>	Purple Night Shade	Medicine
	<i>Datura Metel</i>	Night Shade	Medicine
	<i>Brugmansia candida</i>	Angel's Trumpet	Flower
	(13) <i>Lycopersicum</i> esculentum	Tomato	Food
	<i>Petunia nyctaginiflora</i>	Petunia	Flower
	<i>Cestrum nocturnum</i>	Lady of the Night	Flower
<i>Scrophularineæ</i>	<i>Capsicum frutescens</i>	Nigger Pepper	Food
	<i>Capsicum baccatum</i>	Bird Pepper	Food
	<i>Capsicum annuum</i> var. <i>longum</i>	Lady Finger Pepper	Food
	(14) <i>Capsicum angulosum</i>	Chili Barbados Bonny Pepper	Food
	<i>Browallia elata</i>	Browallia	Flower
	<i>Brunfelsia americana</i>	Rain Plant	Flower
	<i>Antirrhinum majus</i>	Snap Dragon	Flower
	<i>Angelonia salicariæfolia</i>	Purple Angelonia	Flower
	<i>Angelonia salicariæfolia</i> var. <i>alba</i>	White Angelonia	Flower
	<i>Russelia juncea</i>	West Indian Heath	Flower
<i>Utriculariæ</i> —	<i>Maurandia Barclayana</i>	Maurandia	Flower
	<i>Utricularia montana</i>	Utricularia	Flower
<i>Gesneraceæ</i> —	<i>Gloxinia speciosa</i>	Gloxinia	Flower
	<i>Tydeæ amabilis</i>	Tydeæ	Flower
	<i>Tydeæ picta</i>	Tydeæ	Flower
	<i>Besleria americana</i>	Besleria	Flower
<i>Bignoniaceæ</i> —	<i>Bignonia reptans</i>	Barbados Queen of Flowers	Flower
	<i>Tecoma stans</i>	Trumpet Flower	Flower
	<i>Tecoma capensis</i>	West Indian Honey- suckle	Flower
	<i>Tecoma leucoxydon</i>	White Cedar	Ornamental Tree
<i>Acanthaceæ</i> —	<i>Crescentia Cujete</i>	Cup Tree (Calabash)	Cups and Timber
	<i>Thunbergia grandiflora</i>	Thunbergia	Flower
	<i>Thunbergia alata</i>	Thunbergia	Flower
	<i>Meyenia erecta</i>	Purple Meyenia	Flower
	<i>Meyenia erecta</i> var. <i>alba</i>	White Meyenia	Flower
	<i>Sanchezia nobilis</i>	Sanchezia	Flower
	<i>Graptophyllum hortense</i>	Graptophyllum	Ornament
	<i>Graptophyllum hortense</i> var. <i>carneum</i>	Graptophyllum	Ornament

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
	<i>Graptophyllum hortense</i> var. <i>bicolor</i>	<i>Graptophyllum</i> Blue <i>Eranthemum</i>	Ornament Flower
	<i>Eranthemum nervosum</i>	<i>Eranthemum</i>	Flower
	<i>Eranthemum bicolor</i>	<i>Eranthemum</i>	Flower
	<i>Eranthemum nigrum</i>	<i>Eranthemum</i>	Flower
	<i>Eranthemum purpureum</i>	<i>Eranthemum</i>	Flower
	<i>Fittonia argyroneura</i>	<i>Fittonia</i>	Flower
<i>Pedalineæ—</i>	<i>Martynia diandra</i>	Cock's Spur	Flower
<i>Verbenaceæ—</i>	<i>Verbena Lamberti</i>	<i>Verbena</i>	Flower
	<i>Citharexylum cinereum</i>	Fiddle Wood	Flower
	<i>Duranta Plumieri</i>	West India Laburnum	Flower
	<i>Duranta Plumieri</i> var. <i>alba</i>	White Laburnum	Flower
	<i>Petrea volubilis</i>	<i>Petrea</i>	Flower
	<i>Clerodendron fallax</i>	<i>Clerodendron</i>	Flower
	<i>Clerodendron Thomsonæ</i>	<i>Clerodendron</i>	Flower
<i>Labiata—</i>	<i>Clerodendron Balfourii</i>	<i>Clerodendron</i>	Flower
	<i>Ocimum basilicum</i>	Basil	Food
	<i>Salvia splendens</i>	<i>Salvia</i>	Flower
	<i>Salvia lætea</i>	White <i>Salvia</i>	Flower
	<i>Lavandula stœchas</i>	Lavender	Perfume
	<i>Rosmarinus officinalis</i>	Rosemary	Perfume
	<i>Mentha piperata</i>	Peppermint	Medicine
	<i>Origanum majorana</i>	Sweet Marjoram	Medicine
<i>Nyctagineæ—</i>	<i>Pogostemon</i> sp. (?)	Patchouly	Perfume
	<i>Mirabilis dichotoma</i>	Four o'clock	Flower
<i>Polygonaceæ—</i>	<i>Bougainvillea spectabilis</i>	<i>Bougainvillea</i>	Flower
	<i>Antigonon leptopus</i>	Pink Corallita	Flower
	<i>Antigonon leptopus</i> var. <i>flore pleno</i>	Double Corallita	Flower
<i>Amarantaceæ—</i>	<i>Coccoloba uvifera</i>	Seaside Grape	Fruit
	<i>Gomphrena globosa</i>	Bachelor Button	Flower
	<i>Gomphrena globosa</i>	White Bachelor Button	Flower
	<i>Celosia cristata</i>	Cock's Comb	Flower
	<i>Celosia argentea</i>	White Cock's Comb	Flower
	<i>Amaranthus pyramidalis</i>	Prince of Wales Feather	Flower
	<i>Alternanthera mutabilis</i>	Border Plant	Ornament
<i>Chenopodiaceæ—</i>	<i>Iresine Erbsteii</i>	Box	Ornament
	<i>Beta Rapa</i>	Beet	Food
	<i>Basella alba</i>	Indian Spinach	Food
<i>Myristiceæ—</i>	<i>Myristica moschata</i>	Nutmeg	Food and Medicine
<i>Laurineæ—</i> (15)	<i>Persea gratissima</i>	Avocado Pear (15)	Fruit
	<i>Oreodaphne coriacea</i>	Loblolly	Timber
	<i>Camphora officinarum</i>	Camphor	Medicine
<i>Moreæ—</i>	<i>Morus nigra</i>	Mulberry	Fruit
	<i>Ficus carica</i>	Fig	Fruit
	<i>Ficus nitida</i>	Barbadoes Evergreen	Ornamental Plant
	<i>Ficus laurifolia</i>	Bearded Fig	Ornamental Plant
	<i>Ficus elastica</i>	India Rubber Tree	Rubber
	<i>Artocarpus incisa</i>		
	<i>Artocarpus incisa</i> var. <i>apyrena</i>	Bread Fruit	Fruit
	<i>Artocarpus incisa</i> var. <i>nucifera</i>	Bread Nut	Fruit
	<i>Maclura tinctoria</i>	Fustic	Dye, Timber & Fruit
<i>Casuarineæ—</i>	<i>Pilea muscosa</i>	Lace Plant	Ornamental Plant
<i>Euphorbiaceæ—</i>	<i>Casuarina equisetifolia</i>	<i>Casuarina</i>	Timber
	<i>Phyllanthus nivosus</i>	Snow Plant	Ornamental Plant
	<i>Croton Eluteria</i>	Cascarilla	Medicine

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
<i>Aristo- lochiaceæ—</i>	(16) <i>Croton variegatus</i>	Croton	Ornamental Plant
	<i>Hura crepitans</i>	Sand Box	Ornamental Plant
	<i>Hippomane mancinella</i>	Manchineel	Timber
	<i>Ricinus communis</i>	Castor Nut	Medicine
	<i>Ricinus viridis</i>	Castor Nut	Medicine
	<i>Poinsettia pulcherrima</i>	Devil's Handkerchief	Ornamental Plant
	<i>Acalypha tricolor</i>	Acalypha	Ornamental Plant
	<i>Acalypha marginata</i>	Acalypha	Ornamental Plant
	<i>Euphorbia splendens</i>	Crown of Thorns	Flower
	<i>Manihot utilisissima</i>	Cassava	Food
	<i>Manihot Aipi</i>	Roasting Cassava	Food
	<i>Aristolochia gigas</i>	Giant Aristolochia Plant	Flower
	<i>Aristolochia trilobata</i>	St. Kitts Pitcher	Flower
	<i>Aristolochia elegans</i>	Aristolochia	Flower
	<i>Piper nigrum</i>	Black Pepper	Food
<i>Piperaceæ—</i>	<i>Thuya occidentalis</i>	Arbor vitæ	Ornamental Plant
<i>Coniferaæ—</i>	<i>Araucaria excelsa</i>	Norfolk Island Pine	Ornamental Tree
	<i>Araucaria imbricata</i>	Monkey Puzzle	Ornamental Tree
<i>Cycadaceæ—</i>	<i>Cycas revoluta</i>	Sago	Ornamental Plant

CLASS II.—MONOCOTYLEDONS.

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
<i>Cannaceæ—</i>	<i>Maranta arundinacea</i>	Indian Arrow	Food
	<i>Canna tous-les-mois</i>	Tous-les-mois	Food
	<i>Canna coccinea</i>	Plantain Shot	Flower
	<i>Canna lutea</i>	Yellow Plantain Shot	Flower
<i>Zingiberaceæ—</i>	<i>Canna speciosa</i>	Canna	Flower
	<i>Costus afer</i>	African Lily	Flower
	<i>Zingiber officinale</i>	Ginger	Medicine
	<i>Curcuma longa</i>	Dye Ginger (Turmeric)	Food
<i>Musaceæ—</i>	<i>Alpinia nutans</i>	Shell Plant	Flower
	<i>Heliconia Bihai</i>	Wild Plantain	Flower
	<i>Heliconia psittacorum</i>	Yellow Wild Plantain	Flower
	<i>Musa sapientum</i>	Fig (Banana)	Food
<i>Bromeliaceæ—</i>	<i>Musa chinensis</i>	Dwarf Banana	Food
	<i>Musa paradisiaca</i>	Plantain	Food
	<i>Ananassa sativa</i>	Pine Apple	Fruit
	<i>Æchmea fulgens</i>	Æchmea	Flower
<i>Orchideæ—</i>	<i>Pitcairnia bromeliæfolia</i>	Pitcairnia	Flower
	<i>Dendrobium Pierardi</i>	Dendrobium	Flower
	<i>Dendrobium druidum</i>	Dendrobium	Flower
	<i>Dendrobium moschatum</i>	Dendrobium	Flower
	<i>Dendrobium spectabile</i>	Dendrobium	Flower
	<i>Epidendrum ciliare</i>	Rock Lily	Flower
	<i>Epidendrum nutans</i>	Epidendrum	Flower
	<i>Epidendrum cochleatum</i>	Epidendrum	Flower
	<i>Epidendrum fragrans</i>	Sweet Epidendrum	Flower
	<i>Cattleya Mossiæ</i>	Cattleya	Flower
	<i>Phaius grandifolius</i>	Ground Orchid	Flower
	<i>Vanda teres</i>	Vanda	Flower
	<i>Aërides affine</i>	Ærides	Flower
	<i>Stanhopea grandiflora</i>	Ladies' Slipper	Flower

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
<i>Irideæ— Amaryllideæ—</i>	<i>Oncidium papilio</i>	Butterfly Orchid	Flower
	<i>Oncidium luridum</i>	Oncidium	Flower
	<i>Oncidium montanum</i>	Yellow Bee	Flower
	<i>Oncidium lanceanum</i>	Cedros Bee	Flower
	<i>Oncidium sp. (?)</i>	Crater Lily	Flower
	<i>Oncidium ampliatum</i>	Big Yellow Bee	Flower
	<i>Oncidium altissimum</i>	Oncidium	Flower
	<i>Brassia maculata</i>	Brassia	Flower
	<i>Ionopsis maculata</i>	Ionopsis	Flower
	<i>Vanilla planifolia</i>	Vanilla	Flower
	<i>Gladiolus communis</i>	Gladiolus	Flower
	<i>Crinum australe</i>	Tiger Lily	Flower
	<i>Pancratium caribæum</i>	White Lily	Flower
	<i>Pancratium guianense</i>	Curly Lily	Flower
	<i>Eucharis amazonica</i>	Eucharist Lily	Flower
	<i>Amaryllis equestris</i>	Red Lily	Flower
	<i>Amaryllis tubispatha</i>	Snow Drop	Flower
	<i>Apiastrum Solandri-</i>		
	<i>folium</i>	Solander's Lily	Flower
	<i>Lilium Harrisii</i>	Water Lily	Flower
<i>Liliaceæ—</i>	<i>Polianthes tuberosa</i>	Tube Rose	Flower
	<i>Polianthes tuberosa</i>		
	<i>var. flore pleno</i>	Double Tube Rose	Flower
	<i>Yucca gloriosa</i>	Yucca	Flower
	<i>Agave americana</i>	Corretah	Flower and Orna- mental Plant
	<i>Fourcroya cubensis</i>	Sisal	Fibre
	<i>Sansevieria zeylanica</i>	Sansisvera	Fibre
	<i>Aloe barbadensis</i>	Aloes	Medicine
	<i>Allium porrum</i>	Leek	Food
	<i>Allium sativum</i>	Garlic	Food
	<i>Allium ascalonicum</i>	Shallot	Food
	<i>Allium scorodoprasum</i>	Rocky Bolt	Food
	<i>Allium schoenoprasum</i>	Chives	Food
	<i>Allium cepa</i>	Onion	Food
	<i>Asparagus officinalis</i>	Asparagus	Food
	<i>Asparagus plumosus</i>	Plumosus	Ornamental Plant
	<i>Dracæna draco</i>	Dragon's Blood	Ornamental Plant
	<i>Dracæna australis</i>	Green Dracæna	Ornamental Plant
	<i>Dracæna fragrans</i>	Sweet Dracæna	Flower
	<i>Dracæna terminalis</i>	Pink Dracæna	Ornamental Plant
<i>Dioscoreaceæ—</i>	<i>Dioscorea alata</i>	Red Yam	Food
	<i>Dioscorea sativa</i>	White Yam	Food
<i>Hypoxideæ— Palmeæ—</i>	<i>Curculigo sumatrana</i>	Curculigo	Ornamental Plant
	<i>Areca alba</i>	Areca Palm	Ornamental
	<i>Areca rubra</i>	Areca Palm	Ornamental
	<i>Hyophorbe verschaf-</i>		
	<i>felti</i>	Hyophorbe Palm	Ornamental
	<i>Oreodoxa oleracea</i>	Cabbage Palm	Ornamental
	<i>Caryota saccharifera</i>	Sugar Palm	Ornamental
	<i>Caryota urens</i>	Maiden Hair Palm	Ornamental
	<i>Corypha Taliera</i>	Talipot Palm	Ornamental
	<i>Euterpe montana</i>	Mountain Cabbage	Food
	<i>Dypsis madagascariensis</i>	Dypsis	Ornamental Plant
	<i>Thrinax argentea</i>	Thatch Palm	Ornamental Tree
	<i>Thrinax radiata</i>	Thatch Palm	Ornamental Tree
	<i>Rhapis flabelliformis</i>	Cane Palm	Ornamental Plant
	<i>Livistona chinensis</i>	Chinese Fan Palm	Ornamental Tree

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
<i>Pandaneæ</i> —	Phoenix dactylifera	Date	Food
	Cocos nucifera	Cocoanut	Food
	Acrocomia sclerocarpa	Mocko Palm	Ornamental Seed
	Stevensonia grandifolia	Golden Palm	Ornamental Tree
<i>Cyclanthaceæ</i> —	Pandanus utilisissimus	Screw Pine	Ornamental Tree
	Pandanus Beechii	Pandanus	Ornamental Tree
<i>Aroideæ</i> —	Carludovica Plumieri	St. Kitts Sarsaparilla	Ornamental Twiner
	Monstera pertusa	Button Hole Bush	Ornamental Twiner
	Monstera deliciosa	Monstera	Fruit
	Anthurium macrophyllum	Wild Tobacco	Ornamental Plant
	Xanthosoma sagittifolium	Xanthosoma	Ornamental Plant
	Dieffenbachia seguine	Dumb Cane	Ornamental Plant
	Dieffenbachia maculata	Dieffenbachia	Ornamental Plant
	Colocasia esculenta	Scratchy Eddoes	Food
	Colocasia sagittifolium	Tanier	Food
	Arum macrorrhizum	Roasting Eddoes	Food
	Alocasia bicolor	Allocasia	Ornamental Plant
	Alocasia metallica	Allocasia	Ornamental Plant
	Alocasia macrorrhiza	Seven Years	Food
	Caladium sagittæfolium	Colalue	Food
	Caladium maculatum	Caladium	Ornamental Plant
<i>Smilacææ</i> —	Smilax officinalis	Sarsaparilla	Medicine
<i>Pontederiaceæ</i> —	Eichhornia azurea	Water Lily	Flower
<i>Commelinaceæ</i> —	Campelia zanonía	White Campelia	Flower
	Campelia zanonía var. lutea	Cream Campelia	Flower
	Campelia purpurea	Resurrection Lily	Flower
	Commelina zebrina	Striped Commelyna	Flower
	Tradescantia discolor	Oyster Lily	Flower
<i>Cyperaceæ</i> —	Cyperus alternifolius	Cyprus	Ornamental Tree
<i>Gramineæ</i> —	Andropogon schœnanthus	Lemon Grass	Perfume
	Vetiveria arundinacea	Cuscus Grass	Perfume
	Erianthus saccharoides	Wild Cane	Ornamental Grass
	Saccharum officinarum	Sugar Cane	Food
	Sorghum vulgare	Guinea Corn	Food
	Sorghum saccharatum	Chinese Sugar	Food
	Panicum variegatum	Striped Grass	Ornamental Grass
	Panicum jumentorum	Guinea Grass	Fodder
	Paspalum conjugatum	Sour Grass	Fodder
	Zea Mays	Indian Corn	Food
	Coix Lachryma	Job's Tears	Ornamental Seed
	Bambusa arundinacea	Bamboo	Wood and Ornamental Plant.

CLASS III.—ACOTYLEDONS.

NATURAL ORDER.	SCIENTIFIC NAME.	VERNACULAR NAME.	USE.
<i>Filices—</i>	<i>Anemia adiantifolia</i>	Flower Fern	Ornamental Plant
	<i>Lygodium volubile</i>	Vine Fern	Ornamental Plant
	<i>Hymenophyllum sericeum</i>	Bees Wing Fern	Ornamental Plant
	<i>Adiantum cuneatum</i>	West India Maiden Hair	Ornamental Plant
	<i>Adiantum cuneatum</i> var. <i>farleyense</i>	Farleyense Fern	Ornamental Plant
	<i>Pteris argyrata</i>	Silver Snake Fern	Ornamental Plant
	<i>Blechnum occidentale</i>	Pink Fern	Ornamental Plant
	<i>Gymnogramma chrysophyllum</i>	Gold Fern	Ornamental Plant
	<i>Asplenium myriophyllum</i>	Parsley Fern	Ornamental Plant
	<i>Nephrolepis exaltata</i>	Herring Bone Fern	Ornamental Plant
	<i>Aspidium macrophyllum</i>	Bread Fruit Fern	Ornamental Plant
	<i>Cyathea arborea</i>	He German Dru (Tree)	Ornamental Plant
	<i>Asophila ferox</i>	She German Dru (Fern)	Ornamental Plant
	<i>Hemitella macrophylla</i>	Gigantic Fern	Ornamental Plant
	<i>Selaginella flabellata</i>	Emerald Fern	Ornamental Plant
	<i>Lycopodium cornuum</i>	Stag-Horn Fern	Ornamental Plant
<i>Lycopodiaceæ—</i>			

NOTE.—There are about three hundred species of ferns in St. Kitts. Those given have been selected as samples of this sort of plant on account of size or special beauty.

NOTES.

- (1) A purple variety of *Cleome pentaphylla* is also met with here.
- (2) There are several varieties of pinks and carnations in the island. When well-known cultivated flowers of many varieties and different colors occur in this list, their variations will not again be specially noted.
- (3) There are many hybrids of the genus *Hibiscus* in St. Kitts, many of which are ranked as separate species by some florists.
- (4) Considered by some persons a distinct species and called *Citrus Limetta*.
- (5) There are two varieties; one with red and the other with white fruit.
- (6) There are many varieties of mango; some with poor, others with delicious fruit.
- (7) Roses abound in St. Kitts. New hybrids are constantly being introduced.
- (8) Seems to be a variety of *Eugenia buxifolia*.
- (9) Several species of *Eucalyptus* have been introduced into the island within the last few years, but only two or three have flowered as yet.
- (10) Hybrid begonias, wild and cultivated, abound in St. Kitts.
- (11) It flowers very freely but bears no fruit in St. Kitts.
- (12) There are many varieties of the sweet potato of very different degrees of merit. The "Mother Kitty" of St. Kitts weighs 12 pounds.
- (13) Several sorts are cultivated here.
- (14) There are several other varieties of *Capsicum* in the island.
- (15) There are two or three kinds of avocado pears here.
- (16) The number of hybrid crotons, already very great, rapidly increases by importation and origination in St. Kitts.

BERMUDA (*alias* SOMERS ISLANDS).

HISTORICAL SKETCH.*

BY

J. MAXWELL GREENE.

The date of the discovery of these Islands by Europeans is somewhat obscure. Juan Bermudez' name has been given to the group on the authority of Oviedo (de la natural Hystoria de los Indios, Toledo, 1576), as follows (Eden's translation):

" In the yeare 1515, when I came first to enforme Your Majestie of the state of things in India, and was the yeare following in Flanders, in the time of your most fortunate successe in these Your Kingdoms of Arragon and Castile, whereas at that voyage I sayled above the Island Bermuda, otherwise called Garza, being the furthest of all the Ilands that are found at this day in the world, and arriveing there at the depth of eight yards of water, and distance from the land as far as the shot of a piece of ordinance, I determined to send some of the ship to land, as well to make search of such things as were there, as also to leave in the Iland certaine hogs for increase. But the time not serving my purpose by reason of contrarie winde, I could bring my ship no nearer the Iland; being twelve leagues in length and six in breadth and about thirtie in circuit, lying in the three and thirtieth degree of the north side. While I remayned here I saw a strife and combat betweene these flying fishes and the fishes called giltheades and the fowles called sea mewes and cormorants, which surely seemed unto me a thing of as great pleasure and solace as could be devised. While the giltheades swam on the brim of the water, and sometimes lifted their shoulders above the same, to raise the flying fishes out of the water to drive them to flight and follow them swimming to the place where they fell, to take and eat them suddenly. Againe, on the other side, the sea mewes and cormorants take many of these flying fishes, so that by this meanes they are neither safe in the Aire nor in the water. In the selfe same perill and danger do men liue in this mortal life, wherein is no certaine securitie, neither in high estate nor in lowe. Which thing surely ought to put us in remembrance of the blessed and safe resting place which God hath prepared for such as love him who shall acquiet and finish the trouailes of this troublesome world, wherein are so many dangers and bring them to that Eternall life where they shall find eternal security and rest."

The terms of this narrative imply a stay of some slight duration, which is to be inferred also from the approximation with the dimensions given. The object of the visit plainly was to leave a herd of hogs. The presence of these animals subsequently in the Islands may be accounted for by the numerous wrecks which occurred before that of Sir George Somers.

* Mainly taken from the *Memorials of the Discovery and Early Settlement of the Bermudas, etc.*, by Maj.-Gen. J. H. Lefroy. 2 vols. London, 1877-79.

